

SEQUENCE LISTING

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 Zhang, Huanmin

<120> FERTILITY PREDICTION OF MAMMALIAN MALES AND POLYCLONAL ANTIBODIES FOR THE PREDICTION THEREOF

<130> 240523US20

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<170> PatentIn version 3.1

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<212> DNA

<213> Bos taurus

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<221> CDS

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 Met Pro Leu Pro Leu Ala Cys
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ctg ctg ctt ctc ctc ctc tcc acc cac agt gcc ctg gcc ctc aag atc 161
 Leu Leu Leu Leu Leu Leu Ser Thr His Ser Ala Leu Ala Leu Lys Ile
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tgc tcc ttc aat gtg agg tcc ttt ggg gaa tcc aag aag gca aac tgt 209
 Cys Ser Phe Asn Val Arg Ser Phe Gly Glu Ser Lys Lys Ala Asn Cys
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aat gcc atg gat gtc att gtg aag gtc atc aaa cgc tgt gat atc ata 257
 Asn Ala Met Asp Val Ile Val Lys Val Ile Lys Arg Cys Asp Ile Ile
 40 45 50 55

ctc ctg atg gaa atc aag gac agc agc aac agg atc tgc ccc aca ctg 305
 Leu Leu Met Glu Ile Lys Asp Ser Ser Asn Arg Ile Cys Pro Thr Leu
 60 65 70

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 Met Glu Lys Leu Asn Gly Asn Ser Arg Lys Gly Ile Thr Tyr Asn Tyr
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gtg att agc tct cgc ctt gga aga aac aca tat aaa gaa cag tat gcc 401

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Phe	Leu	Tyr	Lys	Glu	Lys	Leu	Val	Ser	Val	Lys	Gln	Ser	Tyr	Leu	Tyr	
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cac	gac	tat	cag	gct	gga	gac	gca	gat	gtg	ttt	tcc	agg	gaa	ccc	ttt	497
His	Asp	Tyr	Gln	Ala	Gly	Asp	Ala	Asp	Val	Phe	Ser	Arg	Glu	Pro	Phe	
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Ser	Val	Arg	Glu	Ile	Asp	Glu	Leu	Ala	Asp	Val	Tyr	Thr	Asp	Val	Lys
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Arg	Arg	Trp	Asn	Ala	Glu	Asn	Phe	Ile	Phe	Met	Gly	Asp	Phe	Asn	Ala
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Gly	Cys	Ser	Tyr	Val	Pro	Lys	Lys	Ala	Trp	Lys	Asp	Ile	Arg	Leu	Arg
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Thr Asp Pro Lys Phe Val Trp Leu Ile Gly Asp Gln Glu Asp Thr Thr
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Val Lys Lys Ser Thr Asn Cys Ala Tyr Asp Arg Ile Val Leu Arg Gly
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 tcttgaagcc agagcagcac cagg atg tca cgg gag ctg gcc cca ctg ctg 171
 Met Ser Arg Glu Leu Ala Pro Leu Leu
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 Leu Leu Leu Leu Ser Ile His Ser Ala Leu Ala Met Arg Ile Cys Ser
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 atg gat gtc att gtg aag gtc atc aaa cgc tgt gac atc ata ctc gtg 315
 Met Asp Val Ile Val Lys Val Ile Lys Arg Cys Asp Ile Ile Leu Val
 45 50 55
 atg gaa atc aag gac agc aac aac agg atc tgc ccc ata ctg atg gag 363
 Met Glu Ile Lys Asp Ser Asn Asn Arg Ile Cys Pro Ile Leu Met Glu
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Tyr	Lys	Glu	Lys	Leu	Val	Ser	Val	Lys	Arg	Ser	Tyr	His	Tyr	His	Asp	
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Tyr	Gln	Asp	Gly	Asp	Ala	Asp	Val	Phe	Ser	Arg	Glu	Pro	Phe	Val	Val	
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Gly	Asp	Gln	Glu	Asp	Thr	Thr	Val	Lys	Lys	Ser	Thr	Asn	Cys	Ala	Tyr	
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Asp	Arg	Ile	Val	Leu	Arg	Gly	Gln	Asn	Ile	Val	Asn	Ser	Val	Val	Pro	
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Lys	Ser	Asn	Ser	Val	Phe	Asp	Phe	Gln	Lys	Ala	Tyr	Lys	Leu	Thr	Glu	
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Glu	Glu	Val	Arg	Leu	Pro	Ser	Cys	Leu	Ser	Met	Pro	Leu	Ser	Trp	Lys	
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Glu Ser Lys Gln Glu Asp Lys Asn Ala Met Asp Val Ile Val Lys Val
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Ile Lys Arg Cys Asp Ile Ile Leu Val Met Glu Ile Lys Asp Ser Asn
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Asn Arg Ile Cys Pro Ile Leu Met Glu Lys Leu Asn Arg Asn Ser Arg
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Arg Gly Ile Thr Tyr Asn Tyr Val Ile Ser Ser Arg Leu Gly Arg Asn
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Thr Tyr Lys Glu Gln Tyr Ala Phe Leu Tyr Lys Glu Lys Leu Val Ser
 100 105 110

Val Lys Arg Ser Tyr His Tyr His Asp Tyr Gln Asp Gly Asp Ala Asp
 115 120 125

Val Phe Ser Arg Glu Pro Phe Val Val Trp Phe Gln Ser Pro His Thr
 130 135 140

Ala Val Lys Asp Phe Val Ile Ile Pro Leu His Thr Thr Pro Glu Thr
145 150 155 160

Ser Val Lys Glu Ile Asp Glu Leu Val Glu Val Tyr Thr Asp Val Lys
165 170 175

His Arg Trp Lys Ala Glu Asn Phe Ile Phe Met Gly Asp Phe Asn Ala
180 185 190

Gly Cys Ser Tyr Val Pro Lys Lys Ala Trp Lys Asn Ile Arg Leu Arg
195 200 205

Thr Asp Pro Arg Phe Val Trp Leu Ile Gly Asp Gln Glu Asp Thr Thr
210 215 220

Val Lys Lys Ser Thr Asn Cys Ala Tyr Asp Arg Ile Val Leu Arg Gly
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Gln Asn Ile Val Asn Ser Val Val Pro Lys Ser Asn Ser Val Phe Asp
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Phe Gln Lys Ala Tyr Lys Leu Thr Glu Glu Glu Val Arg Leu Pro Ser
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